

ABSTRACT

Method and system of managing a plurality of communication devices are disclosed for maximizing the success rate of data access jobs performed thereon and to optimize the usage efficiency of the communication devices.

5 An exemplary system includes a plurality of data access jobs that are placed in a queue. Each data access job in the queue is assigned to one of a plurality of communication devices. The assignments are made based on the availability of the communication devices. No data access job is

10 permanently assigned to any communication device. Once a data access job is completed, the communication device is released and then can be reassigned to another data access job. Script files are generated for each data access job to control the operation of the communication devices. The

15 progress of the data access jobs are logged. Unsuccessful data access jobs are aborted and rescheduled or otherwise permanently or temporarily canceled. Data related to the failure modes for unsuccessful jobs are captured and statistically compiled to observe any trends arising

20 therefrom. The communication devices are graded and scored

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